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Rejected

Allowed

Application No. Applicant(s)

10/722,328 ISHIHARA ET AL.

Examiner Art Unit

2837

Shih-yung Hsieh

(Through numeral) Cancelled

Restricted

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I Interference O Objected

|              |          |            |  |                                     |          |  |  |          |          | _        |          |              |               |          |          |                |               |          |          |          |                 |          |     |               |            |                 |          |          |          |          |          |           |          |   |
|--------------|----------|------------|--|-------------------------------------|----------|--|--|----------|----------|----------|----------|--------------|---------------|----------|----------|----------------|---------------|----------|----------|----------|-----------------|----------|-----|---------------|------------|-----------------|----------|----------|----------|----------|----------|-----------|----------|---|
| Cl           | im       | 1 Date     |  |                                     |          |  |  |          |          |          |          | <u> Xair</u> | n             | Ļ.,      | Date     |                |               |          |          |          |                 |          |     | Cla           | Date       |                 |          |          |          |          |          |           |          |   |
| Final        | Original | 7 (1)      |  |                                     |          |  |  |          |          |          | i ceiù   |              | Original      |          |          |                |               |          |          |          |                 |          |     | Final         | Original   |                 |          |          |          |          |          |           |          |   |
|              | 77)      | 5          | 一  | 1                                   | Н        | <del>                                     </del> | ╆  | ┢        |          | Н        | $\vdash$ | 1            | 51            |          |          |                | Н             |          | $\dashv$ |          |                 | $\dashv$ | ł   |               | 101        | Н               | $\dashv$ | ┪        | T        |          |          | $\dashv$  | 十        | _ |
|              | 2        | Ť          | ✝  | <b>-</b>                            |          |  | Т  | ┢        |          | П        |          |              | 52            |          |          |                | $\overline{}$ |          | ┪        |          |                 |          | ı   |               | 102        | Н               | $\dashv$ | 一        | ᅥ        | ┪        | ᅥ        | ┪         | 寸        | _ |
|              | 3        | П          | Π  |                                     | Г        | П  |  | Г        | Г        |          |          | 1            | 53            |          |          |                |               |          | $\neg$   |          |                 |          | ı   |               | 103        | П               | $\Box$   | ┪        |          | T        | $\neg$   | ┪         | ┪        |   |
|              | 4        | П          |  |                                     |          |  |  | $\Box$   |          |          |          |              | 54            |          |          |                |               |          |          |          |                 |          |     |               | 104        | П               | $\sqcap$ |          | П        |          | ヿ        | $\exists$ | ╗        | _ |
|              | 5        | $\Pi$      |  |                                     |          |  |  | L        |          |          |          |              | 55            |          |          |                |               |          |          |          |                 |          |     |               | 105        |                 |          |          |          |          | ヿ        |           | ╗        |   |
|              | 6        | $\coprod$  |  |                                     |          |  |  |          |          |          |          | -            | 56            |          |          |                |               |          |          |          |                 |          |     |               | 106        |                 |          |          |          |          | $\Box$   | $\Box$    | $\Box$   | _ |
|              | 7        | Ш          |  |                                     |          | <u></u>  |  |          |          |          |          |              | 57            |          |          |                |               |          |          |          |                 |          |     |               | 107        |                 |          |          |          |          |          | $\Box$    | П        |   |
| <u> </u>     | 8        | Щ          | L  | L                                   | L        | <u> </u>   | L  | L        | Ш        | Ш        |          |              | 58            | Ц        |          |                |               |          | $\Box$   |          |                 |          |     |               | 108        |                 |          |          |          |          |          | $\Box$    |          |   |
| L            | 2        | ₩.         | L  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 乚        | L  |  | L        |          |          | <u> </u> |              | 59            |          |          |                |               |          | $\Box$   |          | Ш               | Ш        | ١   |               | 109        |                 |          |          |          |          |          |           |          |   |
| <u></u>      | (3)      | 仨          | <u> </u>   | <u> </u>                            | L.       | <u> </u>   | 1_   | <u> </u> | L        | Ц        | <u> </u> |              | 50            |          |          |                |               |          | _        |          |                 | Ш        | ١   |               | 110        | Ц               | $\Box$   | $\Box$   |          |          |          | $\Box$    | $\Box$   |   |
| <u> </u>     | 47       | 일          | 1_   | _                                   | <u> </u> | ▙  | _  | ㄴ        | Ш        | Ш        | ┡        |              | 31            |          |          |                |               |          | _        | Щ        |                 | Ш        | ١   |               | 111        | Ц               | $\dashv$ | _        | _        | _        | _        | ┙         | 凵        |   |
| <u> </u>     |          | Q          | ┡  | L                                   | ╙        | ┖  | 1  | _        | <b>!</b> | Щ        | -        |              | 52            |          |          |                | Ш             | Ш        | _        |          |                 | Ш        | ١   | Щ             | 112        | Щ               | Ц        | _        | _        | _        | _        | _         | _        |   |
| <u> </u>     | 13       | 0          | ┞-   | <u> </u>                            | _        | ↓_   | <del> </del>                                     | ╄        | <u> </u> | Ц        | _        |              | 63            | L        | _        | Ш              |               |          | _        |          | Ш               | Щ        | ١   |               | 113        | Щ               | Ц        | _        | _        | _        | _        | _         | _        |   |
| ⊢            | (14)     | Ę          | ⊢  | ⊢                                   | ┡        | ┡  | ╀╌   | ╀        | -        | Н        | <u> </u> |              | 18            | <u> </u> | L        | _              | ш             | Щ        |          | _        | Н               | Н        |     |               | 114        | Н               | -        | _        | _        | _        | 4        | 4         | _        | _ |
| ├            | 15       | Н          | ⊢  | ⊢                                   | ⊢        | ╀  | ╀  | ╀        | ├-       | Н        | $\vdash$ |              | 65            | H        | ⊢        |                | -             | -        | -        | -        | Н               | Н        | ı   |               | 115        | H               |          | -        | _        | _        | _        | -         | $\dashv$ | _ |
| <del> </del> | 17       | Н          | ╀  | ⊢                                   | ⊢        | Ͱ  | ╀  | ╁        | -        | $\dashv$ | -        |              | 66<br>67      | H        |          | _              |               | Н        | $\dashv$ |          | Н               | $\vdash$ | ١   |               | 116<br>117 | Н               | $\dashv$ | -1       |          | _        | 4        | -         |          |   |
| ├            | 18       | H          | ┝  | ┢                                   | ┢        | ┝  | ╁  | ╀        | ⊢        | Н        | ⊢        |              | 38            | Н        | -        |                |               |          | -        |          | Н               | Н        | ł   | $\vdash$      | 118        | Н               | $\dashv$ | -1       | -4       |          | -        | -         |          | — |
| $\vdash$     | 19       | H          | ⊢  | ┢                                   | ┢        | ⊢  | ┢  | ╁        | ┝        | $\vdash$ | -        |              | <del>59</del> | ┝        | -        | -              |               | Н        |          | $\dashv$ | Н               | Н        | ı   |               | 119        | Н               | $\dashv$ |          | -        | $\dashv$ | ᅱ        | -         |          | _ |
| <del> </del> | 20       | Ħ          | ╁─   | H                                   | ┝        | ┢  | ┢  | ┢        | $\vdash$ | Н        | -        |              | 70            | H        | $\vdash$ | _              |               | $\vdash$ | -        | -        | Н               | H        | ı   | ┝             | 120        | Н               | $\dashv$ | ⊣        | $\dashv$ | -        |          | $\dashv$  |          | — |
| <del> </del> | 7        | 11         | ┢  | ╁╴                                  | ┢        | ╁╌   | ╁╌   | +-       | ┢        | $\dashv$ | $\vdash$ |              | 71            | $\vdash$ | H        |                |               | Н        | $\dashv$ | $\dashv$ | Н               | -1       | ł   | $\vdash$      | 121        | Н               | -        | -1       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |   |
| $\vdash$     | 22       | H          | Н  |                                     |          | Н  | ╁╴   | 十        |          | $\dashv$ | ⊢        |              | 72            | $\vdash$ | -        | Н              |               |          |          |          | Н               | $\dashv$ | ł   |               | 122        | H               | +        | $\dashv$ | -        | ┥        | $\dashv$ | $\dashv$  | $\dashv$ | — |
| $\vdash$     | 23       | tt         | 一  |                                     |          |  | ┢  | H        |          | $\dashv$ | $\vdash$ |              | 73            | $\vdash$ | ⊢        | -              |               | Н        |          | $\neg$   | Н               | $\dashv$ | ŀ   |               | 123        | Н               | -        | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | _ |
|              | 24       | H          | Г  |                                     | T        | Г  | T  | T        |          |          |          |              | 74            |          |          |                |               | Н        |          |          |                 | Н        | Ì   | <b>-</b>      | 124        | H               | -        | ┪        | $\dashv$ | $\dashv$ |          | ┪         | $\dashv$ |   |
|              | 25       | H          | H  | Т                                   | ┱        | T  | Т  | Н        | T        | $\dashv$ |          |              | 75            |          |          |                |               |          |          |          |                 | Н        | ŀ   |               | 125        | Н               | 7        | ┪        | ᅥ        |          | -        | ┪         | $\dashv$ |   |
|              | 26       | tt         | ┢  | Н                                   | Т        | ┪  | Т  | T        | П        | Н        |          |              | 76            |          |          |                |               |          | $\dashv$ |          |                 | $\vdash$ | ł   |               | 126        | Н               | +        | ┪        | $\dashv$ | -1       | ┪        | ┪         | $\dashv$ | _ |
|              | 27       | #          | Т  |                                     | Г        | T  | Т  | Г        | П        | $\neg$   |          |              | 77            |          |          |                |               |          | ┪        |          |                 | П        | Ì   |               | 127        | Н               | ┪        | ┪        | ᅥ        | ᅥ        | ┪        | 一         | $\dashv$ | _ |
|              | 28       | 1          | Г  |                                     | Г        | T  |  | Г        | Г        | П        |          |              | 78            |          |          |                |               |          | ╗        |          | $\exists$       | $\dashv$ | ı   |               | 128        | Н               | $\dashv$ | ┪        | ╛        | ┪        | 7        | 十         | ヿ        |   |
|              | 29       | V          | П  |                                     | Г        | П  | Г  |          |          |          | Г        |              | 79            |          |          |                |               |          |          |          |                 | $\neg$   | ١   |               | 129        | П               | $\dashv$ | _        |          | ┪        |          | ┪         | 7        | _ |
|              | 3D<br>31 | V          |  |                                     |          |  |  |          |          |          |          |              | 30            |          |          |                |               |          |          |          |                 | П        | ı   |               | 130        | П               |          | ヿ        |          | $\neg$   | $\neg$   | ╛         | ヿ        | _ |
|              | 31       | V          |  |                                     |          |  | $\Box$   |          |          |          |          |              | 31            |          |          |                |               |          |          |          |                 |          | [   |               | 131        |                 |          |          |          | $\neg$   |          | $\dashv$  | $\neg$   | _ |
|              | 12       | ٧          | L  |                                     |          | L  | L  |          |          | $\Box$   |          |              | 32            |          |          |                |               |          |          |          |                 |          | [   |               | 132        |                 |          |          |          |          | $\Box$   | П         |          |   |
| L_           | 32       | z          | L  | L                                   | L.       | L  | ┖  | L        | _        | Ц        | L        |              | 33            |          |          |                |               |          |          |          |                 |          |     |               | 133        |                 |          |          |          |          |          | $\Box$    | $\Box$   |   |
| <u> </u>     | 34       | <u> </u>   | ┞  | Ш                                   | <u> </u> | ļ.,  | ┡  | L        |          | Ц        | ⊢        |              | 34            | Щ        |          |                |               |          | _        |          |                 | _        | ļ   |               | 134        | Ц               |          | $\Box$   |          | _        | _        |           | $\Box$   |   |
| <u> </u>     | 35       | <b> </b> _ | ┞  |                                     | _        | ┡  | L  | L        | _        | Ц        | ┡        |              | 35            | Ш        |          |                |               |          | _        |          |                 | $\Box$   | - [ |               | 135        | Ш               |          | _        | _        | _        | _        | _         | ┙        |   |
| ⊢            | 36       | ┞—         | ⊢  | _                                   | <u> </u> | ┡  | ⊢  | ┡        | L        | Ш        | ┡        |              | 36            | Щ        |          |                |               |          | _        | _        | Ц               | $\Box$   | ı   |               | 136        | Ш               | 4        | _        | _        | _        | _        | _         | _        |   |
| <b>-</b>     | 37       | ⊢          | ├  | H                                   | ├        | ├-   | ļ  | ├-       | L        | $\dashv$ | <u> </u> | _            | 37            | Н        |          |                |               |          | _        | _        | Ш               | _        | ١   |               | 137        | Ц               | Ц        | _        | _        | _        | _        | _         | ᅬ        |   |
| <b> </b>     | 38       | -          | ├-   | <b> </b>                            | ├-       |  | ├-   | ₩        | <b>—</b> | Щ        | $\vdash$ |              | 38            | Н        | Ш        | Ш              |               |          | _        | _        | $\sqcup$        | Ц        | ļ   |               | 138        | Ш               | $\sqcup$ | 4        | _        | _        | _        | 4         | _        |   |
| -            | 39       | ⊢          | ├  | _                                   | ⊢        | ╄  | ⊢  | ├-       | <b>—</b> |          | ⊢        |              | 39            | Ш        |          |                | Щ             |          | _        |          | Ш               | Щ        | ı   |               | 139        | Ш               | $\sqcup$ | 4        | _        |          | _        | 4         | _        |   |
| <b>-</b>     | 40       | ┝          | ⊢  | H                                   | ⊢        | ⊢  | ⊢  | $\vdash$ | -        | $\dashv$ | <b> </b> |              | :             | Н        | $\vdash$ |                | Щ             | Ш        | _        | _        | $\sqcup$        | Н        | -   |               | 140        | Ш               | $\dashv$ | 4        | _        | _        | _        | _         | $\dashv$ | _ |
| <b>—</b>     | 41       | ⊢          | $\vdash$   | $\vdash$                            | ├-       | ├-   | ├-   |          | Н        | $\dashv$ | <u> </u> |              | 7             | Ш        | Ш        | Щ              | Щ             | _        | _        | Щ        | $\vdash$        | Н        | -   |               | 141        | Щ               | $\sqcup$ | 4        | _        | _        | _        | 4         | _        | _ |
| ⊢            | 42       | ⊢          | ⊢  | -                                   | ⊢        | ⊢  | ⊢  | -        | $\vdash$ | $\dashv$ | $\vdash$ |              | 32            | -        |          | $\vdash$       | -             | -        | _        | $\dashv$ | $\vdash$        | $\dashv$ | ŀ   |               | 142        | $\vdash \dashv$ | -        | 4        |          | _        | -        | <b>-</b>  | 4        | _ |
| <b>—</b>     | 44       | -          | ₩  | Н                                   | ⊢        | <del>  -</del>                                   | ╁  | $\vdash$ | $\vdash$ | $\dashv$ | $\vdash$ |              | 33            | Н        | $\vdash$ | $\vdash$       | $\dashv$      |          | _        | -        | $\vdash$        | $\dashv$ | - } |               | 143        | $\vdash$        | $\dashv$ | 4        |          |          | -        | -         |          |   |
| $\vdash$     | 45       | $\vdash$   | ┢  | $\vdash$                            | Н        | ⊢  | ⊢  | ⊢        | $\vdash$ | -        | $\vdash$ |              | 34<br>35      | Н        | Н        |                | -             |          |          |          | $\vdash$        | $\dashv$ | }   | <u> </u>      | 144        | Н               | -        | 4        | 4        | -        |          | -         | -        |   |
| <b>-</b>     | 46       | $\vdash$   | ├-   | $\vdash$                            | Н        | $\vdash$   | $\vdash$   | Н        | $\vdash$ | $\dashv$ | $\vdash$ |              | 36            | <u> </u> | Н        | $\vdash\vdash$ | $\vdash$      |          |          |          | $\vdash \dashv$ | $\dashv$ | ŀ   |               | 145        | $\vdash\vdash$  | $\dashv$ | 4        | $\dashv$ |          |          | 4         |          |   |
| <u> </u>     | 47       | ┝          | ┢  | Н                                   | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ | Н        | $\dashv$ | $\vdash$ |              | 77            | $\dashv$ | $\vdash$ | $\dashv$       | $\dashv$      |          | $\dashv$ | $\dashv$ | $\vdash$        | $\dashv$ | ŀ   | <del>  </del> | 146<br>147 | $\vdash$        | $\dashv$ | -        |          | -1       | -1       | -         | -        |   |
| <b> </b>     | 48       | ┢          | ┢  | Н                                   | H        | $\vdash$   | ┢  | $\vdash$ | H        | $\dashv$ | $\vdash$ |              | <del>"</del>  | $\vdash$ | $\vdash$ | Н              | $\dashv$      | $\dashv$ | -        | $\dashv$ | $\vdash$        | $\dashv$ | ŀ   | $\vdash$      | 148        | $\vdash$        | $\dashv$ |          | -        | -        |          | +         | $\dashv$ | _ |
| $\vdash$     | 49       | $\vdash$   | <del>                                     </del> | $\vdash$                            | H        | $\vdash$   | <del>                                     </del> | ╁        | Н        | $\dashv$ | $\vdash$ | _            | 9             | $\dashv$ | H        | $\dashv$       |               | $\dashv$ |          | -        | $\vdash$        | $\dashv$ | ŀ   |               | 149        | $\vdash$        | -        | +        |          |          |          | $\dashv$  | $\dashv$ | _ |
| $\vdash$     | 50       | $\vdash$   | $\vdash$   | Н                                   | Н        | <del> </del>                                     | <del>                                     </del> | Н        | Н        | 一        | $\vdash$ |              | 8             | $\vdash$ | $\vdash$ | $\vdash$       | $\dashv$      | $\dashv$ |          | $\dashv$ | $\forall$       | $\dashv$ | ŀ   |               | 150        | $\vdash$        | ┰        | -+       |          | ┥        |          | $\dashv$  | ┥        | _ |
|              |          | _          | L  |                                     | _        | 1  | 1  |          | L        |          |          | '            | ~~            |          |          |                |               |          |          |          | . 1             |          | - 1 |               | 1.55       |                 |          | - 1      |          | •        |          | 1         |          |   |